

### Abstract of the Disclosure

A communications apparatus using an adaptive antenna having in a high frequency unit an antenna unit including a plurality of antenna elements and a plurality of adjustment units, provided corresponding to the plurality of antenna elements, for adjusting directivity of an entire antenna, comprising:

an interference wave element extraction unit for extracting an interference wave element other than a requested signal from a received signal by the antenna unit when an adjustment value of the adjustment unit is perturbed in a 1 symbol time; and

an adaptive control unit for performing adaptive control on the adjustment value such that the extracted interference wave element can be minimized.